

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

**CHANGES FROM FY 1999 BUDGET ESTIMATE TO FY 1999 CURRENT ESTIMATE**

**(Dollars in Millions)**

	<u>NASA Request</u>	<u>Appropriation Additions</u>	<u>Action Reductions</u>	<u>Transfers</u>	<u>Appropriated Budget</u>	<u>NASA Program Changes</u>	<u>12/22/98 Op Plan</u>
<b>Human Space Flight</b>	<b>5,511.0</b>			<b>-31.0</b>	<b>5,480.0</b>	<b>--</b>	<b>5,480.0</b>
Space Station	2,270.0				2,267.7	+37.0	2,304.7
Space Shuttle	3,059.0				3,030.3	-32.0	2,998.3
Payload & Utilization Ops	182.0				182.0	-5.0	177.0
Transfer to Mission Supt				-31.0			
<b>Sci, Aero &amp; Tech</b>	<b>5,457.4</b>	<b>+242.8</b>	<b>-46.3</b>	<b>--</b>	<b>5,653.9</b>	<b>--</b>	<b>5,653.9</b>
Space Science	2,058.4	+82.0	-21.2		2,119.2		2,119.2
Aero-Space Tech	1,305.0	+47.8	-13.9		1,338.9		1,338.9
Life & Micro-G Science	242.0	+21.5			263.5		263.5
Academic Programs	100.0	+38.5			138.5		138.5
Mission Comm Services	380.0				380.0		380.0
Earth Science	1,372.0	+53.0	-11.2		1,413.8		1,413.8
<b>Mission Support</b>	<b>2,476.6</b>	<b>+3.5</b>		<b>+31.0</b>	<b>2,511.1</b>	<b>--</b>	<b>2,511.1</b>
SR&QA	35.6				35.6		35.6
Space Commun Svces	177.0				185.8		185.8
R&PM	2,099.0				2,121.2		2,121.2
Construc of Facil	165.0	+3.5			168.5		168.5
Transfer from HSF				+31.0			
<b>Inspector General</b>	<b>20.0</b>			<b>--</b>	<b>20.0</b>	<b>--</b>	<b>20.0</b>
<b>TOTAL NASA</b>	<b>13,465.0</b>	<b>+246.3</b>	<b>-46.3</b>	<b>0.0</b>	<b>13,665.0</b>	<b>0.0</b>	<b>13,665.0</b>

	FY 99 President's <u>Budget</u>	Gen'l Reduc- <u>tions</u>	Approp. Adjust- <u>Ments</u>	Congress- Ional <u>Adds</u>	FY99 Appropri. <u>Budget</u>	11/13/98 AXAF/Triana <u>Changes</u>	12/22/98 <u>Changes</u>	Initial FY99 <u>Op Plan</u>
<b><u>HUMAN SPACE FLIGHT</u></b>	<b><u>5,511.0</u></b>		<b><u>-31.0</u></b>		<b><u>5,480.0</u></b>		<b><u>0.0</u></b>	<b><u>5,480.0</u></b>
<b>SPACE STATION</b>	<b>2,270.0</b>		<b>-2.3</b>		<b>2,267.7</b>		<b>+37.0</b>	<b>2,304.7</b>
Development	1,055.5				1,055.5		+253.3	1,308.8
Operations	840.3		-2.3		838.0		-231.6	606.4
Research Program	374.2				374.2		-37.7	336.5
Russian Program Assurance	0.0				0.0		+53.0	53.0
<b>SPACE SHUTTLE</b>	<b>3,059.0</b>		<b>-28.7</b>		<b>3,030.3</b>		<b>-32.0</b>	<b>2,998.3</b>
<u>Shuttle Operations</u>	<u>2,487.4</u>		<u>-28.7</u>		<u>2,458.7</u>		<u>-32.0</u>	<u>2,426.7</u>
Orbiter & Integration	573.4				573.4		+34.6	608.0
Propulsion	1,093.4		-28.7		1,064.7		-13.5	1,051.2
Mission & Launch Operations	820.6				820.6		-53.1	767.5
<u>Safety &amp; Performance Upgrades</u>	<u>571.6</u>				<u>571.6</u>		<u>0.0</u>	<u>571.6</u>
Orbiter Improvements	234.8				234.8		0.0	234.8
Propulsion Upgrades	175.7				175.7		0.0	175.7
Flight Ops & Launch Site Equipment Upgrades					153.5		0.0	153.5
Construction of Facilities	7.6				7.6			7.6
<b>PAYLOAD &amp; UTILIZATION OPERATIONS</b>	<b>182.0</b>				<b>182.0</b>		<b>-5.0</b>	<b>177.0</b>
Payload Processing & Support	39.2				39.2			39.2
Expendable Launch Vehicle Support	31.5				31.5			31.5
Advanced Projects	10.0				10.0			10.0
Engineering & Technical Base	101.3				101.3		-5.0	96.3

	FY 99 President's <u>Budget</u>	Gen'l Reduc- <u>tions</u>	Approp. Adjust- <u>Ments</u>	Congress- Ional <u>Adds</u>	FY99 Appropri. <u>Budget</u>	11/13/98 AXAF/Triana <u>Changes</u>	12/22/98 <u>Changes</u>	Initial FY99 <u>Op Plan</u>
<b><u>SCIENCE, AERO &amp; TECHNOLOGY</u></b>	<b><u>4,938.4</u></b>	<b><u>-46.3</u></b>		<b><u>+242.8</u></b>	<b><u>5,653.9</u></b>	<b><u>0.0</u></b>	<b><u>0.0</u></b>	<b><u>5,653.9</u></b>
<b>SPACE SCIENCE</b>	<b>2,058.4</b>	<b>-21.2</b>		<b>+82.0</b>	<b>2,119.2</b>	<b>0.0</b>	<b>0.0</b>	<b>2,119.2</b>
AXAF Development					0.0	+39.0		39.0
SIRTF	111.7				111.7			111.7
Gravity Probe B mission	37.6				37.6		+5.0	42.6
TIMED	40.8				40.8		-3.0	37.8
Payload & Instrument Development	29.4				29.4		-0.5	28.9
Explorers	114.3				114.3			114.3
Mars Surveyor	164.0			+20.0	184.0		-4.3	179.7
Discovery	126.5				126.5	-16.1	-15.8	94.6
Mission Operations & Data Analysis	526.6	-21.2			505.4	-22.9	+8.2	490.7
Supporting Research & Technology	604.4			+62.0	666.4		+3.2	669.6
Suborbital	99.6				99.6		+1.7	101.3
Launch Services	203.5				203.5		+3.0	206.5
Construction of Facilities					0.0		+2.5	2.5
<b>LIFE &amp; MICROGRAVITY SCI &amp; APPLICATIONS</b>	<b>242.0</b>			<b>+21.5</b>	<b>263.5</b>		<b>0.0</b>	<b>263.5</b>
Advanced Human Support Technology Program	24.5				24.5			24.5
Biomedical Research & Countermeasures Program	50.0			+9.7	59.7			59.7
Gravitational Biology and Ecology Program	37.1			+3.8	40.9			40.9
Microgravity Research Program	106.7			+7.0	113.7			113.7
Space Product Development Program	14.4			+1.0	15.4			15.4
Occupational Health Research Function	0.7				0.7		+0.2	0.9
Space Medicine Research Function	6.9				6.9		-0.2	6.7
Mission Integration Function	1.7				1.7			1.7

	FY 99 President's <u>Budget</u>	Gen'l Reduc- <u>tions</u>	Approp. Adjust- <u>ments</u>	Congress- ional <u>Adds</u>	FY99 Appropri. <u>Budget</u>	11/13/98 AXAF/Triana <u>Changes</u>	12/22/98 <u>Changes</u>	Initial FY99 <u>Op Plan</u>
<b>EARTH SCIENCE</b>	<b>1,372.0</b>	<b>-11.2</b>		<b>+53.0</b>	<b>1,413.8</b>	<b>0.0</b>	<b>0.0</b>	<b>1,413.8</b>
Earth Observing System	659.1			+13.4	672.5	-23.8	-17.6	631.1
EOS Data Information System	256.6			+11.6	268.2		-6.5	261.7
Earth Probes	85.9				85.9	+23.8		109.7
Applied Research & Data Analysis	365.4	-11.2		+28.0	382.2		+18.4	400.6
GLOBE	5.0				5.0			5.0
Launch Services	0.0				0.0		+4.2	4.2
CoF	0.0				0.0		+1.5	1.5
<b>AERO &amp; SPACE TRANSPORTATION TECH</b>	<b>786.0</b>	<b>-13.9</b>		<b>+47.8</b>	<b>1,338.9</b>		<b>0.0</b>	<b>1,338.9</b>
<u>Aeronautics</u>	<u>786.0</u>	<u>-13.9</u>		<u>+1.8</u>	<u>773.9</u>		<u>-5.0</u>	<u>768.9</u>
<u>Aeronautics Reserach &amp; Technology Base</u>	<u>418.0</u>			<u>+1.8</u>	<u>419.8</u>		<u>+4.3</u>	<u>424.1</u>
(Construction of Facilities)					--		(+2.5)	(+2.5)
<u>Aeronautics Focused Programs</u>	<u>368.0</u>	<u>-13.9</u>			<u>354.1</u>		<u>-9.3</u>	<u>344.8</u>
HPCC	20.6				20.6			20.6
High Speed Research	190.0				190.0		-9.3	180.7
Advanced Subsonic Technology	157.4	-13.9			143.5			143.5
<u>Advanced Space Transportation</u>	<u>388.6</u>			<u>+36.0</u>	<u>424.6</u>		<u>+5.0</u>	<u>429.6</u>
<u>Commercial Technology</u>	<u>130.4</u>			<u>+10.0</u>	<u>140.4</u>		<u>0.0</u>	<u>140.4</u>
<b>MISSION COMMUNICATION SERVICES</b>	<b>380.0</b>			<b>--</b>	<b>380.0</b>		<b>0.0</b>	<b>380.0</b>
Ground Network	228.9				228.9		-17.7	211.2
Mission Control & Data Systems	145.4				145.4		-2.3	143.1
Space Network Customer Services	27.3				27.3		-1.6	25.7
Management Challenge	-21.6				-21.6		+21.6	0.0
<b>ACADEMIC PROGRAMS</b>	<b>100.0</b>			<b>+38.5</b>	<b>138.5</b>			<b>138.5</b>

	FY 99 President's <u>Budget</u>	Gen'l Reduc- <u>tions</u>	Approp. Adjust- <u>ments</u>	Congress- ional <u>Adds</u>	FY99 Appropri. <u>Budget</u>	11/13/98 AXAF/Triana <u>Changes</u>	12/22/98 <u>Changes</u>	Initial FY99 <u>Op Plan</u>
<b><u>MISSION SUPPORT</u></b>	<b><u>2,476.6</u></b>		<b><u>+31.0</u></b>	<b><u>+3.5</u></b>	<b><u>2,511.1</u></b>		<b><u>0.0</u></b>	<b><u>2,511.1</u></b>
<b>SMAEAC</b>	<b>35.6</b>				<b>35.6</b>			<b>35.6</b>
<b>SPACE COMMUNICATION SERVICES</b>	<b>177.0</b>		<b>+8.8</b>		<b>185.8</b>		<b>0.0</b>	<b>185.8</b>
Space Network	129.2				129.2		-18.9	110.3
Telecommunications	79.7		+8.8		88.5		-13.0	75.5
Management Challenge	-31.9				-31.9		+31.9	0.0
<b>RESEARCH &amp; PROGRAM MANAGEMENT</b>	<b>2,099.0</b>		<b>+22.2</b>		<b>2,121.2</b>		<b>0.0</b>	<b>2,121.2</b>
Personnel & Related Cost	1,577.1		+20.8		1,597.9		+4.9	1602.8
Travel	47.4		+1.4		48.8			48.8
Research Operations Support	474.5				474.5		-4.9	469.6
<b>CONSTRUCTION OF FACILITIES</b>	<b>165.0</b>			<b>+3.5</b>	<b>168.5</b>			<b>168.5</b>
<b><u>INSPECTOR GENERAL</u></b>	<b><u>20.0</u></b>				<b><u>20.0</u></b>			<b><u>20.0</u></b>
<b>TOTAL NASA</b>	<b>12,946.0</b>	<b>-46.3</b>		<b>+246.3</b>	<b>13,146.0</b>	<b>--</b>	<b>--</b>	<b>13,146.0</b>